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4. (Amended) A method according to claim 1, wherein in or near the at least one inlet the relevant parameter of the fluid is measured, wherein preferably, moreover, at a distance from the fluid stream a comparable parameter in the space is determined.

5. (Amended) A method according to claim 1, wherein in the fluid stream in said first position at least three recording elements ( $T_1$ ,  $T_2$ ,  $T_3$ ) for the relevant parameter are arranged at a distance from each other, for measuring the local value of the relevant parameter, wherein on the basis of the value differences the position of the maximum or minimum value in said first position is determined.

6. (Amended) A method according to claim 1, wherein said fluid parameter is measured contactlessly, preferably acoustically.

7. (Amended) A method according to claim 1, wherein in at least two positions placed one after the other in the flow direction of the fluid stream the distribution, at any rate at least two values, are measured.

8. (Amended) A method according to claim 1, wherein on the basis of at least the flow pattern of the fluid stream the throughput of the at least one inlet is regulated and/or the direction of inflow of the fluid into, at least from the at least one inlet is regulated and/or at any rate a part of the fluid stream is passed from the space via at least one outlet, wherein in, at any rate near the at least one outlet the relevant parameter of the fluid stream and preferably also the throughput and/or the composition thereof is measured.

9. (Amended) A method according to claim 1, wherein as fluid a gas is passed into a space and wherein as parameter at least one of the following parameters is measured:  
temperature, flow velocity, flow direction,  
pressure, concentration of a component, density.

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ay 12. (Amended) A method according to claim 1, wherein as fluid a liquid is passed into a space and wherein as parameter is measured at least one of the following parameters is measured:

temperature, flow velocity, flow direction,  
pressure, concentration, density.

16. (Amended) An apparatus according to claim 14, wherein the or each first sensor comprises at least three recording elements for the relevant parameter placed at a mutually known distance, such that the recording elements are placeable for use substantially along a straight or curved line in the fluid stream, while a preferably regular pattern of recording elements in a space can be obtained with a series of first sensors.

17. (Amended) An apparatus according to claim 14, wherein a series of first sensors is arranged to measure said parameter in at least two and (preferably) at least three positions on a straight or curved line, such that a preferably regular pattern of recordings can be obtained with said series first sensors.

18. (Amended) An apparatus according to claim 14, wherein at least the or each first sensor the process unit and fluid inlet regulating means and/or fluid outlet regulating means are incorporated into a regulating cycle, in which during use the fluid inlet regulating means and/or fluid outlet regulating means provide data with respect to the fluid stream, which data re processed by the process unit, such that at least partly on the basis of these data the fluid insert regulating means and/or fluid outlet regulating means are regulated.

19. (Amended) An apparatus according to claim 14, wherein the recording elements at least comprise temperature recording elements.

20. (Amended) A space, provided with an apparatus according to claim 14, wherein a preferably regular pattern of at least first sensors is provided, in particular recording elements thereof in at least a part of the space between at least one fluid inlet and at least one fluid outlet.